

Title (en)
DEVICES AND METHODS FOR EXCLUDING THE LEFT ATRIAL APPENDAGE

Title (de)
VORRICHTUNGEN UND VERFAHREN ZUM AUSSCHLUSS DES LINKEN VORHOFANHANGS

Title (fr)
DISPOSITIFS ET PROCÉDÉS POUR L'EXCLUSION DE L'APPENDICE AURICULAIRE GAUCHE

Publication
EP 3531926 A2 20190904 (EN)

Application
EP 17797501 A 20171026

Priority
• US 201662413632 P 20161027
• US 201762459503 P 20170215
• US 2017058600 W 20171026

Abstract (en)
[origin: US2018116678A1] Devices and methods are described for occluding the left atrial appendage (LAA). The device excludes the LAA from blood flow to prevent blood from clotting within the LAA and subsequently embolizing, particularly in patients with atrial fibrillation. The implantable device is delivered via transcatheter delivery into the LAA and secured within the LAA. The implant comprises an expandable and compliant frame and an expandable and conformable tubular foam body carried by the frame. The device may have a thromboresistant cover at a proximal end and a thromboresistant coating on the foam body. The frame may have recapture struts inclining radially outwardly in the distal direction from a central hub. The frame may have axially extending side wall struts, with adjacent pairs of side wall struts joined at one or more apexes. Anchors extend from the frame to engage tissue. The anchors can also be reversible to allow retraction of the anchors and repositioning or retrieval of the device.

IPC 8 full level
A61B 17/00 (2006.01); **A61B 17/12** (2006.01)

CPC (source: EP US)
A61B 17/12031 (2013.01 - US); **A61B 17/12122** (2013.01 - EP US); **A61B 17/12131** (2013.01 - US); **A61B 17/12145** (2013.01 - EP US); **A61B 17/1215** (2013.01 - EP US); **A61B 17/12172** (2013.01 - EP US); **A61B 17/12177** (2013.01 - EP US); **A61B 17/12181** (2013.01 - EP US); **A61M 29/00** (2013.01 - US); **A61B 17/00491** (2013.01 - EP US); **A61B 17/12036** (2013.01 - EP US); **A61B 17/12136** (2013.01 - EP US); **A61B 17/1219** (2013.01 - EP US); **A61B 18/1492** (2013.01 - EP US); **A61B 2017/00004** (2013.01 - EP US); **A61B 2017/00022** (2013.01 - EP US); **A61B 2017/00221** (2013.01 - EP US); **A61B 2017/00526** (2013.01 - EP US); **A61B 2017/00853** (2013.01 - EP US); **A61B 2017/00893** (2013.01 - EP US); **A61B 2017/00898** (2013.01 - EP US); **A61B 2017/00951** (2013.01 - EP US); **A61B 2017/1205** (2013.01 - US); **A61B 2017/12054** (2013.01 - EP US); **A61B 2017/320069** (2017.08 - EP US); **A61B 2018/0016** (2013.01 - EP US); **A61B 2018/0022** (2013.01 - EP US); **A61B 2018/00577** (2013.01 - EP US); **A61B 2090/064** (2016.02 - EP US); **A61B 2090/3966** (2016.02 - EP US); **A61M 2205/04** (2013.01 - EP US); **A61M 2205/3331** (2013.01 - EP US); **A61N 1/395** (2013.01 - EP US); **A61N 1/39622** (2017.08 - EP US); **A61N 7/022** (2013.01 - EP US)

Cited by
EP3787525A4; US12082820B2; WO2019212894A1; US11717303B2; US11786256B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 11026695 B2 20210608; **US 2018116678 A1 20180503**; EP 3531926 A2 20190904; JP 2019532768 A 20191114; JP 2022115990 A 20220809; JP 2024099743 A 20240725; JP 7071350 B2 20220518; US 11786256 B2 20231017; US 2021393271 A1 20211223; US 2024148385 A1 20240509; WO 2018081466 A2 20180503; WO 2018081466 A3 20180712; WO 2018081466 A4 20180907; WO 2018081466 A8 20190531

DOCDB simple family (application)
US 201715795083 A 20171026; EP 17797501 A 20171026; JP 2019522999 A 20171026; JP 2022076640 A 20220506; JP 2024071796 A 20240425; US 2017058600 W 20171026; US 202117338520 A 20210603; US 202318486974 A 20231013